

## SEQUENCE LISTING

<110> TODD, ALISON VELYIAN  
FUERY, CAROLINE JANE  
APPLEGATE, TANYA LYNN

<120> METHOD FOR DETECTION OF ALKYLATED CYTOSINE IN DNA

<130> 22238.0004

<140> 10/563,195

<141> 2006-04-03

<150> PCT/AU04/00900

<151> 2004-07-05

<150> 60/491,995

<151> 2003-08-04

<150> AU 2003903430

<151> 2003-07-04

<160> 15

<170> PatentIn version 3.5

<210> 1

<211> 80

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Ecad80  
oligonucleotide

<400> 1

cgctgctgat tggctgtggc cggcaggtga accctcagcc aatcagcggg acgggggggcg 60

gtgctccggg gtcacctgg 80

<210> 2

<211> 27

<212> DNA

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<223> Description of Artificial Sequence: Synthetic AA1  
oligonucleotide

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tgttttgggt gtgtatggtt tgggtgt 27

<210> 3

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic AA2  
oligonucleotide

<400> 3

acacccaaaac catacacacc caaaaca

27

<210> 4

<211> 80

<212> DNA

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<223> Description of Artificial Sequence: Synthetic Ecad80M3  
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<221> modified\_base

<222> (21)..(21)

<223> 5'-methylcytosine

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<221> modified\_base

<222> (47)..(47)

<223> 5'-methylcytosine

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<222> (52)..(52)

<223> 5'-methylcytosine

<400> 4

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60

gtgctccggg gctcacctgg

80

<210> 5

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic T1  
oligonucleotide

<400> 5

attatattta aatatataaa atatatatta ataaat

36

<210> 6

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic T1  
oligonucleotide

<400> 6

atttattaat atatatttta tatattttaa tataat

36

<210> 7

<211> 80

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic antisense  
Ecad80 (ASEcad80) oligonucleotide

<400> 7

ccaggtgagc cccggagcac cgccccccgt accgtgatt ggctgagggt tcacctgccg

60

gccacagcca atcagcagcg

80

<210> 8

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic LP10  
looping probe

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cgaccgcccc gattggctga gg

22

<210> 9

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic LP26  
looping probe

<400> 9

gccccggagc gagggttcac ctg

23

<210> 10

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic LP26+1  
looping probe

<400> 10  
 gccccgggagc ggaggggttca cctg 24

<210> 11  
 <211> 26  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Synthetic AS26  
 antisense oligonucleotide

<400> 11  
 agccaatcag cggtacgggg ggcggt 26

<210> 12  
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 <223> Description of Combined DNA/RNA Molecule: Synthetic substrate

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 <222> (6)..(6)  
 <223> c or u

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 cggtangggg ggcggtgg 18

<210> 13  
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<220>  
 <223> Description of Artificial Sequence: Synthetic primer

<400> 13  
 ccaccgccc 9

<210> 14  
 <211> 4  
 <212> DNA  
 <213> Unknown

<220>  
 <223> Description of Unknown: Hot-spot sequence synthesized or from  
 Homo sapiens

<400> 14  
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4

<210> 15  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic 3ECAD11b primer

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agccccggag caccgccc

18